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SEPTEMBER, 1914

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11
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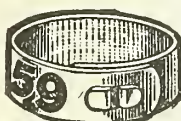
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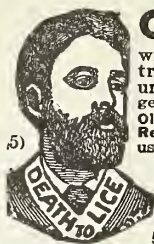
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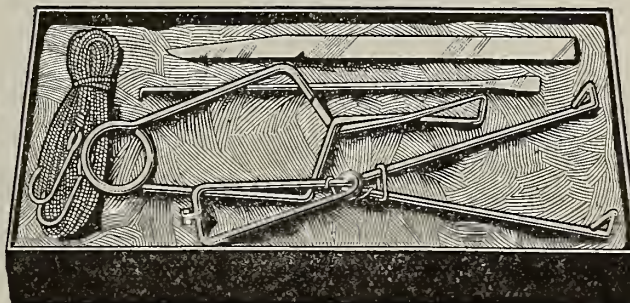
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J. O. REID, PROPRIETOR,

STANFORD, KY.

THE INDUSTRIOUS HEN

VOL. XI.

LOUISVILLE, KY., SEPTEMBER, 1914

(Whole No. 123)

No. 4

The Real Cause of Failures in the Poultry Business.

Anyone With Necessary Capital Can Start Raising Poultry, but Few Can Stick With It and Make It a Profitable Business.

By Arthur R. Schroeder, San Gregorio, Cal.



RAISING of poultry is a commercial undertaking, a business, and, as the whole, one of the most important industries of the country. For that reason we should view it from the right angle, regard it as a strictly business proposition and, if we are to engage in it we should come well prepared, well supplied with capital; in a way educated in the up-to-date methods; otherwise our time, money and energy will go to waste. Every business, if calculated to bring in fair returns on the original investment, requires the right kind of a man at its head. He must be honest and possess common sense, be a man of character, for that is the prime factor in every man's success.

Anyone with necessary capital can start raising poultry; but only a few can stay with it and make it a profitable business. We hear and read very frequently of failures and consequent unjust statements that "there is no money in the chicken business," and that the industry is a humbug from start to finish. We should ignore this kind of reports, because, as a rule, they come from the men who failed in some business or other, have tried poultry for a change, failed again, and that because their character was not of the spotless kind, in all probability lacking the qualities of a normal being. Then comes the clamoring individual who either had not enough capital or has failed for want of common sense—because he knew not how.

If we were to keep a record of failures and obtained correct statistics, it would be quite possible to put the blame where it really belongs, onto the source of all havoc—a poor start. The erroneous belief that "chickens is chickens" has floored many an investor who, having lost time and money on the enterprise, pronounced the poultry rearing a fake and has left the ranks of those who are successful without a slightest idea of the real cause of his collapse.

Start right! The business should be commenced right; with good stock, the best that money can buy; vigorous birds, of standard shape and color, and half the battle is won. Strong and healthy stock is absolutely necessary if one intends to succeed; for we should remember that what

applies to other animals is also true of fowls. A sickly cow will give a very little bit of milk, a feeble hen will not lay at all. An undersized fowl or of small constitutional vigor cannot be expected to contribute as generously as the one that is of good size and in the pink of condition. That is a natural law and does not require much support, all possible arguments being in favor of the healthy bird. To illustrate: If we were to select two flocks of the same variety, identical in numbers, choose and grade the individuals according to their health and vigor, and then were to give both the same treatment and feed, it would require only a few weeks to notice a rather marked difference in results, when a positive proof would be obtained that healthy birds are the proper kind to keep. Experiments of this sort have been carried on for years in various State stations of the Department of Agriculture, and in each case it has been determined beyond all doubt that it does not pay to keep weakly mongrels, for, according to reports, one-half of them have never been known to lay, and the other half a great deal less than an equal number of vigorous hens.

It is quite possible that some time ago, a good many years back, a pronounced distinction between a thoroughbred and a mongrel was unknown, or else those who have kept poultry for profit were in total ignorance of the difference between the paying possibilities of a standard bred fowl and the scant income that was derived from mongrels. So, in those times, few only knew or cared what was the color of the bird, or where it was originated, as long as it laid eggs in excess of the number required for the home consumption.

This kind of poultry raising was in its place during the years that are no more, when the knowledge of that branch of industries was limited and in its long clothes.

But now, let us suppose a man, in his endeavor to make a living, would adopt some kind of business policies today. How far would he get? What would be the results and income? No one dares to contradict the truth

that this ancient gentleman would not last as long in the game as a chunk of ice laid out in the hot sun. But you may think that I am stretching this a bit, and that it would be difficult to find such an ignorant class of people today. Not at all! We have, scattered here and there, principally aged folks, who struggle for a living to be



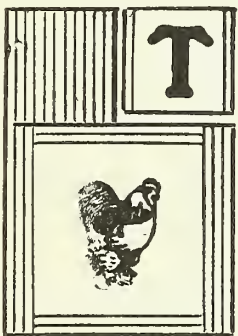
S. C. White Leghorn, winner at many Southern Shows; bred and owned by DeWitt C. Bacon, Guyton, Ga.

derived from poultry and cannot make any headway, although they seem to pay more attention to the particulars of the work than the neighbor; and why do they fail? That is very easily explained. The average person thinks that one strain is just as good as the other, and any kind of feed answers the same purpose. I have had them say: "Oh, you get the eggs because you know how to feed." Upon suggestion that the party who made the remark should study up the problems of feeding, or get some one who understands them to cook and dry a profitable method for his use, I was told that "this proportion business is all humbug, made out by the hired men of Uncle Sam in their leisure hours to only kill time and fool the taxpayers out of their salaries." There was no use to argue the point in such an instance, which is only a fair sample of conversations I have had at times with different old-fashioned people, who would be poultrymen if anyone could convince them of the fact that this was not the year 1863, but 1914.

Now, the erroneous idea that a mongrel is just as good, if not better than a standard bred fowl, is another common cause of failure, and injures the poultry industry more than all other things put together. Of course the man who ignores the standard is very hard to convince. He thinks he knows all, and no amount of talking will do any good, for how could we expect a lecture on the subject to reach the right spot and remedy the evil, when even the personal failure in poultry has no convincing effect on the mongrel breeder?—Exchange.

EARLY LAYING PULLETS COME FROM GOOD LAYERS.

Without Exception This Has Proven True at the Missouri State Poultry Experiment Station—Method of Selection, Breeding and Feeding Explained—An Operation Performed and Six Normal Eggs Removed from the Body Cavity of One Hen—Contest Report for June.



THE Missouri State Poultry Experiment Station has fifty or more pullets which have been hatched this year that began to lay when they were about four months old or a few days over that age. In every case, no matter what variety of poultry it happened to be, the first pullets of that variety to begin to lay came from the highest laying hens of that variety or hens among the highest layers. We have never had an early maturing and early laying pullet come from a medium or poor laying

hen. In every case thus far, no matter what the variety is, the pullets which began to lay when they were from four to five months old were bred from the high laying hens of that variety.

The thirteen which began laying first were, three Buff Leghorns; two Barred Plymouth Rocks; four White Leghorns; one Ancona; one Campine; one Rhineland, and one White Orpington. The Barred Rocks and White Orpington weighed from three and one-half to four pounds each, while all others weighed from two and one-half to three and one-fourth pounds each. The first eggs weighed from one to one and one-half ounces each. The eggs are practically perfect in development. A Buff Leghorn pullet weighing two and three-fourths pounds began laying at four months and five days old, and a Barred Rock pullet weighing three and three-fourths pounds began laying at four months and nine days old. These were the first two pullets to lay. The pullets are fed good wholesome food, but not forced or stimulated. The food given consists of equal parts of cracked corn and wheat as a grain feed, and equal parts of corn meal, wheat bran and shorts fed in hoppers, and we mix one pound of fine salt to every hundred pounds of the mash. The colony houses are kept along the edge of a cornfield or on fresh ground in an orchard. We give the young stock sour milk or buttermilk if it is available, and if not, we add ten pounds of dry beef scraps to every hundred pounds of their dry mash.

At 3 or 4 o'clock in the afternoon, we feed a moistened mash, all the birds will clean up in twenty or thirty minutes. We use the same dry mash as we feed in the hoppers, but moisten it with sour milk or water. We, of

course, supply grit, oyster shell and charcoal by mixing them with the feed or by feeding separately. Pure water is before them at all times. Recently in culling 6,000 head of young stock raised in this way to an age when some of the pullets had begun to lay, we found only two birds that appeared to be anything like out of condition.

From our observation and records we have concluded that the season of the year in which a chicken is hatched has much to do with its growth and development, and the length of time that it will require for a pullet to mature and begin to lay. That is, pullets hatched in the early spring when the trees are budding, the grass beginning to grow green, the crops growing, and the birds mating, in other words, when the whole earth seems to be putting on new life, pullets hatched at this season will begin laying in a shorter length of time than full sisters to them hatched in the summer or fall. We believe that pullets hatched in February, March and April will begin laying in a shorter length of time than their full sisters hatched in May, June and July in this climate.

The smaller varieties begin to lay a little earlier or mature a little quicker than the large varieties, as a rule, but by using good judgment, a breeder of any variety can so regulate his hatches so as to have them mature just in time to make good winter layers. A poultryman can so select and regulate the breeding of his flock and so regulate his hatches that his pullets will bloom or begin to lay at something near a certain season, just as the florist has his chrysanthemums bloom at Thanksgiving and his lilies bloom at Easter. By all means, have them begin to lay before the winter season for if they do not, they will more than likely not start laying before spring. Such pullets are a dead loss for several months. The margin of profit in the poultry business is so small that it will not stand such a loss.

Selection and Breeding Will Tell.

The fourth generation of chickens which have been hatched since the experiment station was established are now on the farm. The first year we trapnested a pen of Buff Leghorn pullets which averaged between ninety and one hundred eggs each. We selected the best layers from that pen of ten for our next year's breeders and mated them to a cockerel hatched from the best laying hen. We have kept and bred from the best layers and the best cockerels each year since that time. The result is that last year we developed a pen of ten pullets which averaged nearly 200 eggs each and one laid 217 eggs, and now this year we have developed a pullet which began to lay when four months and five days old, and was the first to lay out of six or eight thousand chickens reared on the farm this season. We have kept practically within the same line of breeding and by careful selection and mating, have practically doubled the egg yield in three years' time.

Another thing, it does not mean that you have to entirely disregard shape and color to breed a good laying strain of any variety. One of our contestants in the Buff Leghorn class from Michigan entered his birds in a good poultry show two weeks before our contest began last year. We now find that some of his highest scoring pullets and some of those which won the highest honors in the show room, and also those which have made the highest records in the contest by laying the greatest number of eggs. His pen is fine in color and shape as well as leading when it comes to the egg basket. Of course, we all know that after a pullet or hen has laid a large number of eggs, it tells on their appearance for the time being, at least, but that does not necessarily mean that these birds will never be in show condition again, or that their progeny will not be birds good enough to go into the show room. We have been impressed with the show qualities and the beautiful shape and color of one of the New Zealand pens of White Leghorns. This pen comes from a breeder who has won in the contests of that country and is now also making a good record here. We are quite certain of one thing, i. e., it is not necessary to breed a flock of mongrels for them to prove to be satisfactory layers.

Poultry Surgery.

Poultry surgery has not advanced to a degree that we can recommend it for this, that or the other thing, but you may be interested in an operation which was recently performed at this institution.

A Black Langshan hen remained on the nest most of the time and appeared to be broody. In removing her

from the nest we could feel what appeared to be eggs in the body cavity and we could apparently hear the shells grinding against each other as we would knead the abdomen. She was a contest hen and we knew if this was the condition that would probably be only a question of a short time until the hen would die and that it was our duty to try to discover and relieve the trouble if possible.

We proceeded to make an incision in the abdomen of the hen and to our surprise found six normal and hard-shelled eggs in the body cavity. They had developed and passed from the oviduct to the body cavity instead of being laid in the natural way. The body cavity was filled with these eggs. Six were removed and the incision sewed up and at the present time the hen seems to be in good health. Just what the outcome is going to be we cannot tell, but the hen appears to be healthy and happy. We believe the operation is going to be successful, and result in saving the life of a valuable hen. However, it may prove to be another case of where "the operation was a success but the patient died." This is the third similar case that we have had with Black Langshans. The other two hens died before we discovered the real trouble. But we operated on this one and several days have passed and the hen seems active, healthy and happy. The external stitches have been removed and the wound healed and the hen is apparently well at this time.

Contest Report for June.

We have 1,040 hens in the contest and 425 of them were confined to broody coops sometime during the month of June. This cut our egg yield to 16,430 eggs for the month which now makes the grand total 106,579 eggs. Our pens have all made good general averages as a rule. But there has been no startling or sensational record thus far, and we are glad it is so. Nothing tends to discredit really helpful work more than these sensational and almost unbelievable records, even though they be absolutely true.

The White Leghorns from England are still gaining each month. They have made the best monthly record for five months out of seven. Someone said the whole secret of winning in an egg laying contest was in having your birds ready to start off the first month with a lead and that was the only reason the English birds won in our contest last year.

This statement is not borne out by the facts in either of our three contests. The pen which won the first year did not get an early start but did well in later months. The pen which won last year made a gradual gain over competing pens each month in the year. The pen this year which is leading has made a gain every month and its success is not due to its start, but to its breeding and capacity for laying. In our opinion, it is selection and breeding which means more than anything else.

The pens which are bred for egg production make much better use of their food than other pens. The pens which lay the most eggs usually consume a little more feed, but we also find less droppings upon the dropping boards in pens which lay best. This has proven true in all the weights and tests which we have made of the droppings.

The ten highest pens for the seven months are as follows (each pen composed of ten pullets):

Pen.	Eggs.
0 S. C. White Leghorns, England.....	1,569
47 S. C. Reds, Missouri.....	1,333
79 S. C. White Leghorns, Pennsylvania.....	1,309
65 S. C. White Leghorns, Missouri.....	1,277
18 White Wyandottes, Pennsylvania.....	1,271
70 S. C. White Leghorns, Missouri.....	1,248
9 S. C. White Leghorns, Pennsylvania.....	1,244
53 Barred Plymouth Rocks, Illinois.....	1,201
51 White Plymouth Rocks, Arkansas.....	1,196
38 White Orpingtons, Pennsylvania.....	1,192

The highest hen of each variety which has laid 150 eggs or over is as follows:

Hen.	Eggs.
05 S. C. White Leghorn, England.....	171
456 R. C. Red, Missouri.....	158
180 White Wyandotte, Pennsylvania.....	154

(Continued on page 78.)

MAKE YOUR NEIGHBOR QUIT THROWING
SCRAPS OVER THE FENCE TO
YOUR HENS.

The "Back Yard" Flock Too Important a Part in the Reduction of the Much Bemoaned "High Cost of Living" to be Cared for Carelessly—Read This Sane and Sensible Article, for This Man Knows What He is Talking About.

By Michael K. Boyer, Hammonton, N. J.



HERE are thousands of families engaged in poultry keeping who are never heard of, simply because they content themselves with a small flock, largely due to the fact that their territory is limited. Their sole object is to furnish eggs and poultry for their own table, and seldom keep more than a dozen hens on the place. Cases are found, however, where they crowd these backyards with such a number that "standing room only" is the result. The object of this article is to point out the value of these small flocks, when properly handled, and also to give timely hints to those about embarking in the work on this limited territory.

In making the start there are a number of matters that must be considered. First, the breed to select. The writer has found, after years of experimenting, that our American and the Asiatic varieties, are the best adapted to restricted areas. The Plymouth Rock is an excellent variety for this purpose, if they are not allowed to become too fat. It is a noteworthy fact that a Plymouth Rock can be overfatted more quickly than can a Brahma. A Cochins breeder declares that his variety is less liable to overfatten than the Brahma. It is so that a White Wyandotte will stand heavier feeding than will any other variety and still remain in good condition. In point of overfat, then, the Wyandotte has the lead.

The Brahma is a quiet, peacable fowl, and if rightly handled will do excellent laying and give the best of results in the back yard. It cares very little for ranging, and we have confined them by fences only two feet high. The Cochins are very good, and in many respects equal to the Brahmas but the latter are better layers and furnish better table carcasses.

One rarely discovers disease among the Brahmas or the Cochins. We have yet to hear the first report of their becoming feather-eaten. They are not mischievous, are very pretty in plumage, and very attractive every way.

We have a very high opinion of the Leghorns and the Minorcas, but their constant nervous condition is against them for confinement to small yards. They want a good range, and when furnished that are very profitable as layers, but not of much value as table poultry on account of their weight.

The question of housing is the next important matter to consider. The average city lot "henery" is an elaborate affair—and if it is not that it is a makeshift. Either an ornamental house or a slipshod one. But on some lots we have seen houses that are neat, comfortable and practical, but plain in construction. Such houses, by their proper arrangement, are cool in summer and warm in winter. The plain scratching-shed house is about the most economical to build and to have.

Of late years we have been introduced to a system of quartering poultry on a back lot that is to be commended in some respects and doubted otherwise. The system calls for a series of small houses to contain six fowls each, the roosting quarters upstairs and the scratching part downstairs. Many reports are given of the successful working of this plan. The small family part is good; but to keep the hens constantly quartered within the limits of a small scratching-shed is a part that is not very clear to the minds of veteran poultrymen. There should be a run of sufficient size so that the fowls can better exercise. We are not going to criticise the system for the reason that it is still too new, and also because we are not sufficiently acquainted with it. We believe in small families and generous sized runs even on that city lot.

The question of feeding is very important. Small flocks on city lots are apt to be overfed. Neighbors, out of pure kindness, will throw their table scraps over the fence, and that, in addition to what comes from the owner's table, soon puts the fowls out of condition. These scraps being largely composed of meat, boiled potatoes and other vegetables, are very fattening when given in excess. It is always best to politely request the neighbors, if they have any table scraps to spare, to hand the same to you personally. Then, if they are chopped into the morning mash it will be better relished and give better results.

Such articles of food as paring, stale bread, bits of meat, etc., had best be put in an old pot and cooked each evening. The next morning give it another heating, while a pint of bran and a mixture of equal parts of ground oats and corn meal are being scalded, and stirred into a crumbly condition. Then add the cooked articles and mix thoroughly. Of this combination do not give over two quarts for breakfast. If it is less occasionally, so much the better. A pinch of salt should be added to the scraps while they are cooking.

At noon scatter a pint of oats or wheat among the litter so that the fowls will exercise. In the evening, about an hour before dark, scatter a quart of wheat or oats among the litter. During winter, it is well to make the evening mixture a pint of wheat and a pint of corn, as the latter is the best heating food that can be given, but poultry in confined quarters should not be fed corn during summer.

Throughout the entire year green food of some kind should enter the daily bill of fare. In winter vegetables, cut clover or alfalfa hay will serve this purpose to a great extent. During the summer there will always be more or less green stuff, like lawn clippings, lettuce leaves, turnip, beet and onion tops, refuse from the kitchen. A box containing grit, oyster shell and charcoal should be constantly within reach.

All the above is intended for a flock of a dozen fowls. For a larger or smaller flock there must be more or less feed in proportion.

Another precaution is cleanliness. Keep down the lice. White-wash the interior of the house once or twice a year. Clean up the droppings daily. Spray with kerosene monthly. Use tobacco stems for nesting material. With such care, the village lot flock will be profitable.

There are too many farms heavily loaded with mortgage. There are too many unpaid fertilizer bills. Too much time and capital is invested in uncertainties, and too much risk taken with single crops. The very source of good income on the farm—the poultry—is neglected. The time has come, if the farmer wishes to get out of debt, to pay more attention to stock raising; and no stock offers better returns than the growing of chickens and eggs for market. They are mortgage lifters. True, we must have farmers, and dairymen, and all that, but there should be less speculative farming, and more poultry raising.

The writer is strongly opposed to the use of cayenne pepper. He knows from past experience that liver disease and kindred troubles, are the general result when this strong spice is used; but if that condiment is placed in a preparation of spices, there no doubt is a medical virtue in it. Condition powder, if rightly made, is composed of such ingredients as work on the blood, which in turn purify the system, and nip in the bud any disease germs that may be starting. Furthermore, a reliable powder will strengthen the organs which must make egg production more easy and natural. Of course, there must be a judicious use of all stimulating preparations—just enough to gain the point desired. It is not in the use but the abuse that condition powder or any stimulant like corn, buck-

wheat or barley get, that makes them dangerous to fowl life.

C. H. Wyckoff says that 100 pullets, hatched at one time and raised together, were placed in one house, and when one laid she was taken out. This was continued until there were fifty in each house. A critical examination showed that nearly all that were laying were of a certain type; while those that were still unproductive were of another type—a longer-legged, ungainly slim-bodied hen, that spends her time looking for something to get scared at. A record of the two flocks showed a difference of 20 per cent in the number of eggs laid. Number one kept laying until nearly denuded of feathers and after molting began laying before number two did. A short-legged, deep-bodied, full-breasted, wedge-shaped, large-combed hen, with a quiet disposition, has capacity to consume large quantities of food and return eggs instead of noise and flutter.

According to Joseph Wallace, inflammation of the oviduct will check the flow of carbonate and phosphate of lime, which give to the shell its hardness; or the system may be deficient in some of these constituents, consequently the laying of eggs without shells, or with soft shells. Egg binding follows. An egg drops from the



cluster to receive its natural coating of shell; there being a deficiency of shell matter, the egg remains longer in the oviduct, in obedience to nature; another follows that one, and soon another, all awaiting their turn to be coated. The presence of so many eggs without shells crowding one another for several days is very apt to cause fever or inflammation of the oviduct, which, of course, obstructs the passage. If the hen cannot expel those eggs, and no immediate relief is given, the heat of the oviduct literally bakes the contents of the eggs, and a tumor forms and encloses the eggs in a tough sac, which shows itself in the bagging down so common among old hens.

It is not what we get in the markets so much as what the thing costs, that determines our profits. The poultry business is not destined to make men wealthy. It is a steady, honest occupation for the man who is not afraid to work, and it pays good wages to all such.

There is a little secret which makes some men fairly coin money while others hardly make a sale. It is the manner in which the goods are marketed. First, the condition in which the goods are sent to the stalls; second, the reputation the goods have; third, the time marketed.

THE USE OF THE TRAP-NEST IN THE SOUTH.

A Nest of Any Kind to be Inviting to the Hen Should be Dark and Secluded—Read This Article and Profit by This Breeder's Practical Experience.

By DeWitt C. Bacon, Guyton, Ga.



IN A VERY interesting article, the trap-nest is described and endorsed by Mr. Boyer in the August *Industrious Hen*. All experienced users will readily concur with his remarks. But in following poultry articles, written under conditions prevailing in the North, care must be taken to adapt the suggestions to the different environments when applied in the South.

A nest of any kind, to be inviting to the hen, should be rather dark and secluded. Just how to accomplish this with a trap-nest and have it cool in summer is quite a problem. The body warmth of the hen begins to heat the nest box as soon as she gets inside to lay. During the act of expelling the egg severe physical strain and exertion is undergone, and consequently the hen gets very hot. After laying, it is very hard on her to have to remain in

eggs are very cheap and seldom used for hatching. So we do not consider summer trapping worth while. We do not feed heavily in the summer and purposely hold down the egg yield. What we are trying for are reliable fall and winter layers.

This summer, however, we have been trapping our pullets right along. I decided on this as we have quite a number of fall and winter hatches. Already we have spotted several that give promise of becoming star layers. Another reason for trapping the pullets this summer was on account of a line of investigation I started this spring.

Every poultry keeper has noticed that in every brood of chicks a few would grow off and develop much faster than the rest. Naturally these fast growers have been looked on as the best. As they show the strongest vitality, evidently they will make the best layers. This, on the surface, appears to be sound reasoning, and is generally accepted by many breeders.

One of the first things I noted when I began trapping was that the small hens were doing most of the laying. The large hens, generally speaking, appeared to be not only shy layers, but laid small eggs. An egg laying contest report mentions this as one of their observations.

So, one day, while looking over a brood of chicks, the question came to my mind, "Do these fast-growing fellows, that look so fine at sixty days old, continue to keep on growing and develop into the oversized hens that generally prove indifferent layers?" Along in the spring

I started weighing each brood as their age reached about sixty days. A record is kept, showing the date each chick was hatched and its weight when about sixty days old. When the first egg is laid a record is made, showing the date.

A cursory reference to my records show that at sixty-seven days old, Red pullet No. 1821 weighed 22 ounces, while her brood mate, Red pullet No. 1824, weighed only 16 at the same age.

Now here's the question: Will 1821 develop into a seven or eight pound hen, and make an indifferent layer, and will 1824 stop growing at four or five pounds and make a good one? Or, will 1821 reach maturity quickly, start laying young and prove a good layer, and 1824 continue to grow slowly, develop late, and never amount to anything?

As individuals, 1921 and 1824 will prove nothing. To reach reliable conclusions, individual records must be kept on several flocks for



This picture shows ideal type in the S. C. White Orpington and will give the reader a standard type to keep in mind in mating and producing this English variety.

the stuffy nest box, the air already much warmer than outside. It will certainly do her no good to force her to remain there long.

Mr. Boyer says four visits to the traps per day is sufficient, provided there are enough nests; but let a Southern breeder try only four rounds on a very hot day and he will find a lot of dead hens on his nests. Seven rounds per day is not too frequent and on very hot days, between 12 and 2, half-hour trips are advisable. Even in cool weather it is a question if four rounds a day is frequent enough for best results. For instance, say four rounds are decided on, and 9, 11, 1 and 3 o'clock the hours set. Now suppose a hen gets trapped at half-past 10. When the traps are worked at 11 it is found that she hasn't laid, so she is left locked up. At 11:15, say, she lays. She must then remain in the box after laying for one hour and forty-five minutes. In this length of time she is apt to get very impatient and exhaust herself struggling to get out.

Here at Pecan Park, we do very little trap-nesting in the summer. On May first we take off the doors and use open nests until September first. During the summer

several seasons.

The above suggestion is merely an intimation of one of the many interesting and valuable investigations that can be made only with the aid of the trap-nest.

DUCKS ARE AS PROFITABLE AS HENS.

Do not Keep the Common "Puddle Duck," but Sell Them off and Get the Profitable Pure-Bred Pekin, Runners, etc.—They Will Prove Money-Makers for you.

GENERALLY the early hatched ducks should be pushed for market, and sold at least by the latter part of July or the first of August. The later hatched can be held until the holidays if considered best. Only what fowls are needed for eggs, either to hatch or to sell should be kept over. If given comfortable quarters and well fed, ducks can usually be depended upon to commence laying by the first of February, and will lay very regularly until hot weather. They are more voracious eaters than

(Continued on page 79.)

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CORRESPONDENCE—We cordially invite letters and articles from all our readers on any subjects of interest or value to the poultry industry. Send in some matter; your experience and observations may be just what some one may be looking for and save them from mistakes and losses you have suffered in the past. If you have something to tell our readers, don't fail to send it in. This is your journal; make good use of it and help to make it useful to others.

THE INDUSTRIOUS HEN

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Of the American Poultry Association
Held at Chicago, August 9-15,
1914, a Great Success.

THE annual meeting of the American Poultry Association held at Chicago has just closed and will go down in history as one of the greatest meetings ever held in the history of this great association. While there has possibly been meetings held where there were more members present, but for a successful meeting, viewed from every angle, I do not think there has ever been a greater meeting held. The members of Chicago and Illinois did everything in their power to make every one have a good time and have them remember the week spent at the Chicago convention.

The convention was held in the Convention Hall of the Sherman House and the management of the hotel did everything in their power to make every member feel as though he or she was at home. A lot of important business was transacted during the week of which we will give an account of in our October issue. On account of being crowded for space in this issue we will not be able to devote space to it at this time, but our readers can look forward for the proceedings of the meeting in the next issue.

GREAT ARMORY SHOW AT LOUISVILLE—THANKSGIVING WEEK.

THE Ohio Falls fanciers mammoth poultry show will be held at Louisville's big Armory, November 25-December 1, 1914. The South's gateway will stage the biggest poultry show ever held in this section of the country. A blue ribbon on your birds at this show is equal to the honors of a derby win-

ner. The show will have uniform cooping and will be judged by competent men who have officiated at the largest shows in the United States and are considered authority on breeds and varieties they pass upon.

Several of the large specialty clubs will hold their annual club meeting of which detailed announcement will be made later. Valuable silver cups and trophies will be awarded, also cash specials and numerous other prizes. The cash premiums will be paid while the exhibitor is in attendance. You can't afford to miss the Armory show, Thanksgiving week. Send a string of your birds to the show that will be held in the center of the richest poultry country in the United States. You will make a lot of good sales. This alone should be worth your consideration.

The South is the greatest poultry field in the United States, and the interest is growing by leaps and bounds. Entry blanks and copies of the catalog containing premium lists can be obtained by dropping a card to the secretary of the Ohio Falls Fanciers' Association, Louisville, Ky.

START YOUR ADVERTISING EARLY.

IF YOU get your advertising before the public early and make the first favorable impression on the prospective buyer, you are sure to receive the business that is coming to you. Many people do not advertise until it is too late, in fact, they do not start their advertising until the season is on. Then they expect to get proper returns from the advertising placed. To be a successful advertiser you should carry space every month in the year and keep your name before the public at all times.

This promises to be one of the greatest years known in the poultry industry for making sales. The European war will undoubtedly make the demand for stock and eggs greater

than ever before and the producer will get the increase prices and reap the benefit.

Why not get your copy in now and start your advertising in the October issue. The fall shows are now in full blast in the South. People are now in the market for high grade stock and eggs, and are willing to pay you good prices. If you are in doubt as to the results we get for our advertisers, ask any of them. They will tell you that The Industrious Hen will produce greater sales than any other poultry journal they use in the South. Business is going to be good so get your advertising before our thousands of readers and receive the business.

TO MEMBERS OF KENTUCKY POULTRY ASSOCIATION.

A meeting of the members of the Kentucky Poultry Association will be held at the Kentucky State Fair grounds on Thursday, September 17, at 3 p. m. It is important that every member be present as some very important business is to be transacted as well as the election of new officers for the coming year. By all means be present and help us stimulate poultry interests in this State more than ever before. We want to double our present membership in the next year, so if possible send or bring a new member to the meeting.

J. GAYLORD BLAIR, Sec'y,
Kentucky Poultry Ass'n.

THE HEN that lays the most is the liveliest, and, as a matter of course, is the healthiest. Handle one that is lazy and unproductive, and then handle the good layer, and note the difference in condition; one will be fat and soft, the other muscular and hard. Give us the business hen every time for profit; it is her eggs that will always be fertilized, and her chicks stout and strong.

NOTES AND COMMENT.

September. And the fall fairs are upon us.

If you have not already done so, it is high time that you had your string of birds for the fairs picked out and in training. Upon their proper training and conditioning lies much of their ability to win. Try and have the pullets just ready to begin to lay when they enter the show room, for it seems to me that no other time do they show up quite so well as they do just before dropping their first egg.

In order to properly condition birds for the show, we should all have an exhibition compartment coop. In this our birds may be placed while being trained and conditioned. In this manner they become accustomed to the coops and when placed in like coops in the show room they are not frightened but feel perfectly at home, and therefore show up to a much better advantage.

The Third International Poultry Exposition staged by The Poultry Item, on The Million Dollar Pier at Atlantic city, N. J. has just come to a close after a most successful season. The Item bunch are hustlers from the office boy to the editor, and they deserve much credit for conceiving a plan whereby the dull summer months are turned into months of business for the poultryman who is willing to profit thereby.

The next annual Exposition will be held in San Francisco in 1915.

The eggs from the Orient I view with alarm.

But if I don't eat them they'll do me no harm. A. P. J.

We always make it a point to sow all our yards and runs to oats, rye or rape about the first to fifteenth of September. We give preference to oats as here in the South where the climate is so mild oats make a satisfactory growth all winter, and we all know that our birds relish oats much more than rye. As our runs are very productive we are able to produce our green food for our layers right here at home and at a much cheaper rate than we could buy it from supply houses. The green food problem is one of vast importance and we certainly can ill afford to overlook it.

The next Madison Square Garden show will not be held at the usual time owing to the inability of the management, to produce the building. The dates have been moved up to February 12 to 18, 1915.

Now is a mighty good time for you to build that new poultry house that you are needing in order to properly care for your fowls during the coming winter. You cannot hope for the best results from your fowls unless you have plenty of good house room. And then you will take more interest in caring for your birds if you have a nice convenient place to keep them in. Think twice before you start to build and try to have everything about the new building just as convenient as possible. A few dollars

spent in labor-saving appliances now will save you many dollars worth of work and worry in the years to come.

Mountain View Farm of Mooresboro, N. C., has just completed a large new brooder house, with a capacity of hundreds of chicks. This addition will enable them to supply more fully the large demand for stock that comes to this farm every year.

One of the very best evidences of the growth of the poultry industry here in the South, is the large number of poultry associations which have announced their dates for shows for the coming season. And they are all working and pulling for a bigger and better show this year than ever before, and we believe that most of them will have such.

We feel sure that the season of 1914-1915 will see the poultry industry here in the South going forward with leaps and bounds, and for every poultryman

ANNOUNCEMENT.

ON AUGUST 25th, negotiations were closed with "Practical Poultry," of Birmingham, Ala., the business of that paper and its entire circulation having been purchased for consolidation with THE INDUSTRIOUS HEN. The transfer of "Practical Poultry's" equipment and subscription lists was made last week and is now being re-arranged for the big combined number, October 1st.

It will be remembered by subscribers and advertisers that "Poultry Ideas" was absorbed by THE INDUSTRIOUS HEN on May 1, 1914, which merger doubled the HEN'S circulation at that time. "Practical Poultry," ably edited and published at Birmingham for about four years, effected a consolidation about one year and a half ago, taking over "The Southern Poultry Magazine," of Nashville, Tenn.; "The Poultry Times," of Norfolk, Va., and "Everybody's Poultry Journal," of Nashville, Tenn. By January, 1914, they had a list of 15,000 subscribers as shown by their affidavit that month. "Practical Poultry" enjoyed the distinction of being one of the liveliest and most progressive papers with a local business in the country. The owners and promoters were all men of influence with unquestionable ability and business standing. Other business interests claimed their time to such extent that it was decided to sell the paper to publishers who could continue the business to the best advantage of the subscribers and advertisers.

For over twelve years THE INDUSTRIOUS HEN has sought every possible opportunity to increase and build up the poultry industry; consequently its usefulness to the poultry-interested public through all these years has reached a point where "THE OLD HEN" (as it is frequently called) is indispensable to the Southern subscriber and advertiser.

Mr. Poultryman, watch the HEN scratch and grow. Her range has no boundary line.

who will be up and doing, we predict one of the largest trades for several seasons. Are you ready to take care of your share of this business?

Before another issue of this paper will have reached you, you should place your pullets into the laying quarters. And before doing this you should clean and spray your houses well and be sure that there are no mites and lice hiding in the cracks and crevices, waiting to eat up all your profits. Try and get your pullets to laying as soon as possible after October the first as it is from this time on for three months that eggs bring the best prices.

Those of us who were lucky enough to have filled our feed bins before the great European war came up should be able to realize a handsome profit from our layers this winter. The writer was lucky enough to buy most of his supply of wheat at less than \$1.00 per bushel.

With the prices of practically all foodstuffs soaring as they are, it remains to be seen just what effect the great war will have upon the price of poultry and eggs. With other meats advancing in price from 15 to 25 per cent we will wager that the man who eats chicken and eggs during the coming fall and winter will have to pay for them.

We believe that "The Industrious Hen" is the best advertising medium in the South and we have good reasons for our belief. If you have any surplus birds that you want to sell try an ad in the "Hen" and you will be convinced. There is sure to be a good demand for show birds as well as layers this fall and winter and its time that you were getting your name and offerings before the buying public. And as I have said an ad in this paper will reach a larger number of people for the same amount of money than probably any other poultry paper in the whole country.

D. R. McBRAYER.

Mr. Reader: If your subscription expires with this issue, renew at once, or you will miss the "Hen" this season. Every subscriber who fails to renew promptly will be scratched from the mailing list. The big season is just beginning. Don't miss a single number. Send 50 cents today and the "Hen" will come to you promptly every month.

Dumaiesq Buttercups

Eggs and stock for sale. Exhibition fowls a specialty. My patrons have won firsts at Madison Square, Palace Show, Boston, Canada, also in England, and many smaller exhibits. Pens mated with strong, vigorous, standard birds. Write for circular. Address MRS. J. S. DUMAIESQ, Cato's Hall, Easton, Md., R. No. 5. Treasurer A. B. C.

Leg Bands — Complete line — all styles and colors. Aluminum bands with turned over edges — celluloid colored number strips. Leader adjustable. 12, 35¢; 25, 60¢; 50, \$1.10; 100, \$2.00; 500, \$3.50. Post paid. Also sealed and double clinch bands. Write for catalog. Samples free. The Keyes-Davis Co., Dept. 520, Battle Creek, Mich.

POULTRY FENCE

22½ cts. a rod
48 inches high. Has 4½ inch mesh and graduated spacing of line wires from 1½ at bottom to 3½ inches at top. Fewer posts and no base board or top rail required.
STRETCHES UP LIKE A FARM FENCE.
27½ cts. for a 48-inch combined Poultry and Stock Fence made of heavier wire and having 6-inch mesh. From Factory Direct to Consumer. 100 styles and heights of Poultry, Farm and Lawn Fence. Catalog FREE. Box 253 **KITSELMAN BROS. Muncie, Ind.**



Under this heading "Pick Ups Here and There," we will give our readers each month clippings from our exchanges that we think will interest them.

Sell the Hens.

The American Poultry Advocate editor in his August issue says: "Sell the hens. They have completed this season's work by this time and are not laying enough eggs to pay for their feed and care, and you are keeping them at a loss and it is essential to watch every opportunity to curtail your expenses to make a profit from your poultry. Prices are higher now than they will be again this year. Plenty of young stuff will come on the market soon; does it not seem the part of wisdom to sell the hens as they get through business? Is it not likely that the hens older than one year will come back to the lay, but do you know the old ones? Or do you know the young ones that are worth keeping through several months of idleness? Cull out all that are not worth keeping. Another advantage of culling now is the added house room the young stock will have, and the house room on the farm is always scarce. No business can support loafers, and everything on the place not laying eggs (this includes roosters), or not putting on flesh, the young, growing stock, should go to the market week by week."

A Good Whitewash.

Alfred R. Lee, of the United States Animal Husbandry Division, gives a good whitewash receipt and for the benefit of our many readers, who are looking for something good, we print

it. "Whitewash is the cheapest of all paints and may be used either for exterior or interior surfaces. It can be made by slaking about ten pounds of quicklime in a pail with two gallons of water, covering the pail with cloth or burlap and allowing it to slake for one hour. Water is then added to bring the whitewash to a consistency which may be applied readily. A weatherproof whitewash for exterior surfaces may be made as follows: (1) Slake one bushel of quicklime in 12 gallons of hot water; (2) dissolve two pounds of common salt and one pound of sulphate of zinc in two gallons of boiling water; pour (2) into (1), then add two gallons of skim milk and mix thoroughly. Whitewash is spread lightly over the surface with a broad brush."

How many started in last spring or this summer to get rich from the poultry business from some new scheme or idea of raising poultry? They were attracted by the great results claimed by some one else. Your experience of the season makes you think less of them with the big claims than when you started. Don't look for too big results, and in fact if for the first few years if they pay for their keeping in your hands, you have done well. Go slow, don't try to raise thousands or get rich from the business until you become acquainted and know how to raise poultry.

Prof. A. F. Rolf, of the Oklahoma Agricultural College, in speaking

about marketing eggs, says: "Good business judgment is necessary to secure the best prices in marketing poultry and eggs. In the first place, one should find the markets and ascertain what they desire. If the market will pay more for eggs which are uniform in size and color (and nearly every market will do this), the person would not show good business judgment in keeping mongrel chickens. Mongrels will not produce uniform, marketable products. Keep a pure breed."

HIGH CLASS REDS

Winners of more points at the Ky. State Show, Lexington, Jan., 1914, than any other breeder of S. C. Reds. Stock for sale at reasonable prices.

B. D. PARKER, - Sanders, Ky.

FALL

hatching is a success if you let the Magic Egg Tester pick out the eggs you are going to use. If you buy now you get the longest time for trial. One Tester (with absolute guarantee), by mail \$2.00. Your money back after trial if desired. Ask for circular and testimonials.

MAGIC EGG TESTER WORKS,
Department G. Buffalo, New York

THOMPSON'S ROSE COMB REDS

Rose Comb Reds are good. Thompson's are better than most. Winners over all in Red class in largest show in State. Layers—hence payers. Write or prices on fine young stock.

D. MATT THOMPSON,
Box B Statesville, N. C.

See "BUCKEYE"



Guaranteed to hatch every hatchable egg. Over 325,000 in use. Send for Catalogue and dealer's name where you can see one and how it works.

The Buckeye Incubator Co.
525 Euclid Avenue Springfield, Ohio

SOLD AS LOW AS \$10.00

"Pittsburgh Perfect" Fences are now made of GENUINE DOUBLE GALVANIZED WIRE

The latest and greatest of all improvements we have ever made on the original "Pittsburgh Perfect" Fencing, ALL JOINTS WELDED BY ELECTRICITY, is our new and exclusive method of DOUBLE GALVANIZING FENCE WIRE, which adds years of life to "Pittsburgh Perfect" Fences over any fence you have been able to obtain before now. The present-day

"PITTSBURGH PERFECT" POULTRY AND GARDEN FENCES and FIELD, FARM, RANCH and LAWN FENCES

now last twice as long as ordinary wire fencing, as we have proved by innumerable scientific tests extending over many months. The special-formula Open Hearth wire we use takes the proper heat treatment and allows the pure zinc galvanizing to penetrate deeply into the fibre of the wire, leaving a heavy, even layer of zinc on the surface which won't crack, flake, chip or peel off.

Sold by Dealers Everywhere under this Unconditional Guarantee:

WE ABSOLUTELY GUARANTEE "PITTSBURGH PERFECT" FENCING TO BE IN EVERY RESPECT EXACTLY AS WE REPRESENT IT.

Our new catalogue, just off the press, is full of fence information; you need it, whether you want to buy fence now, or will later on.

Ask for Catalogue No. P 44
Address Nearest Office.

PITTSBURGH STEEL COMPANY, Pittsburgh, Pa.
NEW YORK CHICAGO DULUTH ST. LOUIS MEMPHIS DALLAS
Manufacturers of "Pittsburgh Perfect" Brands of Open Hearth Steel and Wire Products, made entirely in our own Furnaces and Mills from the Ore in our Mines to the Finished Material.

Write for this NEW CATALOGUE today!





If you are Secretary of your Specialty Club, Poultry Show or Association, be sure to send in your news each month for this department. We will gladly publish same free for you. Also let your members know what the Club and Association are doing. Keep them posted.

Show Dates.

Muskogee, Okla., Fair—Oct. 5-11, 1914. C. P. Van Winkle, judge; S. J. Anderson, superintendent.

Dallas State Fair—Oct. 15-30. Walter Burton, superintendent, Arlington, Tex.

Lake Charles, La.—Nov. 23-28. H. K. Ramsey, secretary.

Shreveport, La.—Nov. 4-11, 1914. Louis N. Brueggerhoff, secretary; McCord, judge.

Honey Grove, Tex.—Nov. 17-19. W. E. Morris, secretary; R. A. Davis, judge.

Hot Springs, Ark.—Nov. 16-21. W. W. Waters, secretary.

Arlington, Tex.—Nov. 17-19, 1914. C. P. Van Winkle, judge; W. J. Pulley, secretary.

Muskogee, Okla.—Official show Oklahoma State Poultry Federation, Nov. 30 to Dec. 5. A. C. Harmon, secretary; Van Winkle, Keeler and Dipple, judges.

Austin, Tex.—Dec. first week. Mrs. M. D. Carr, secretary; Hutchison, judge.

Austin, Tex.—Dec. 2-5, 1914. Mrs. M. D. Carr, secretary.

Hollis, Okla.—Dec. 3-5. B. B. Bell, secretary; A. T. Modlin, judge.

Cleburne, Tex.—Dec. 8-11, 1914. C. P. Van Winkle, judge; Edwin S. Clayton, secretary.

Alexandria, La.—Dec. 9-13, 1914. C. P. Van Winkle, judge; W. H. McCrackin, secretary.

New Braunfels, Tex.—Dec. 10-13, 1914. Alex Forke, secretary.

Rockdale, Tex.—Dec. 16-19. Mrs. D. H. Sanford, secretary; Walter Burton, judge.

Fort Worth, Tex.—Oct. 10-17. Emmett Curran, secretary, North Fort Worth.

Houston, Tex.—Nov. 9-14. J. W. Good, secretary.

Stamford, Tex.—Nov. 25-28. Bruce Meadows, secretary; Walter Burton, judge.

Jennings, La.—Nov. 24-28. H. Floyd Midkiff, secretary; C. P. Van Winkle, judge.

Stephenville, Tex.—Nov. 26-28. W. T. Graves, president.

Memphis, Tenn.—Sept. 28 to Oct. 3. Martin F. Schultz, secretary, Bartlett, Tenn.; Branch and Stamer, judges.

Amarillo, Tex.—Dec. 3-8. Dr. R. D. Gist, secretary; Walter Burton, judge.

Magnolia, Ark.—Columbia County Fair, Oct. 14-17. Elmer Davies, Jr., superintendent.

San Antonio, Tex.—Nov. 3-8. Geo. Loessberg, secretary, Postoffice Box 497; H. B. Savage, judge.

Mountain View, Okla.—Dec. 16-19. Paul A. Parnell, secretary; C. A. Emry, judge.

Hutchison, Kan.—Jan. 5-9, 1915. W. B. Powell, secretary; D. T. Heimbich and J. J. Atherton, judges.

Lake Charles, La.—Nov. 23-28. H. K. Ramsey, secretary; C. P. Van Winkle, judge.

Corpus Christi, Tex.—Jan. 14-16, 1915. L. E. Thom, secretary.

American Barred Plymouth Rock Club.

The annual catalogue of the club has just been mailed to all the members. Every breeder of Barred Rocks should have one of these, and those who are not members can send \$1 to the secretary, Henry D. Riley, Strafford, Pa., which pays the initiation fee and first year's dues to the club, and will entitle them to the catalogue free. The Barred Rock Club membership is a list of who is who in the Barred Rock world and every breeder should join. Our handsome club ribbons are offered at every show requesting them, and also one of our beautiful cups at a show chosen by vote of the members in every State. These are open to members only. Join the club and boost the breed and make yourself known.

HENRY D. RILEY, Secretary.

Louisiana State Fair, Shreveport, La.

The Louisiana State Fair will hold their ninth annual poultry show in connection with their fair at Shreveport, La., November 4-11, 1914. One thousand four hundred and fifty

dollars is offered in cash prizes and all who are interested in exhibiting at Shreveport should make application for one of their catalogs and premium lists. These will be mailed out upon request and free of charge. The poultry building is 80 by 160 feet, equipped with Empire coops and courteous and fair treatment is assured to all. Mr. O. L. McCord, of Danville, Ill., has been selected for judge, while S. M. Watson, will act as superintendent, with Herman Strube as assistant. Address your requests for catalogs to the secretary, Louis N. Brueggerhoff, Box 1100, Shreveport, La.

Columbian Wyandottes.

The National Columbian Wyandotte Club will issue its new catalog on October 1, 1914. This issue will be larger, better and more valuable to Columbian Wyandotte breeders than ever before, containing as it will the list of the club's special winners of last season, good articles by members and many strong features new and interesting. We specially want the names of all those interested in Columbian Wyandottes which will be listed in this new club catalog.

A payment of \$2 now includes the initiation fee and extends your paid up membership to November 1, 1915. Send for our prospectus of catalog and membership card at once.

The club has inaugurated a new plan of awarding championships and first prize win-

ners in all classes are entitled to points towards these championships proportionate to the strength of the competition and the number of Columbian Wyandottes exhibited. Club special ribbons are given at all shows as formerly.

For further information regarding the details of awarding these championship medals and special prizes. Address National Columbian Wyandotte Club, D. Lincoln Orr, president, Orrs Mills, N. Y., or Ralph Woodward, secretary-treasurer, Grafton, Mass.

Lynchburg, Va., Show.

The fifth annual exhibition of the Lynchburg, Va., Poultry Association will be held December 8-11, 1914. Mr. J. W. Simmons, of Geneva, Ohio, will place the awards. The show will again be held in the City Auditorium, which is probably one of the largest and best lighted poultry exhibition halls in the South. Several specialty clubs will hold their State meeting in connection with this show and a winning at Lynchburg will be one to be proud of. The premium list, containing a long list of attractive special prizes, will be out about November. Don't fail to get one.

R. H. ANDERSON,
Lynchburg, Va. Secretary.

Champion Minorcas.

R. H. Anderson, Lynchburg, Va., the well known S. C. Black Minorca breeder, informs us that he has a very promising flock of youngsters that will soon be ready for the early shows. They already show exceptional quality, having wonderful color and shape and nice heads. He has also several grand exhibition cocks and hens that should be through their molt in ample time, and you can secure your pick by ordering now.

Mr. Anderson's Minorcas made an enviable record at the leading Southern shows last winter, his most notable winning being a clean sweep of all first prizes at the great Atlanta, Ga., show. His birds also won numerous prizes in the hands of his customers.

Look up his display ad. in this issue and if in need of any choice Minorcas, write him before placing your order. He guarantees to please or will refund your money.

RHOM BROS. QUALITY BUFF AND PARTRIDGE ROCKS

Winners at Hamilton, Ohio; Springfield, Ill.; Cincinnati, Chicago, Indianapolis and other shows. Won twenty-two silver cups in hot competition. Eggs now one-half price. R. D. No. 3, Fountaintown, Indiana.



Barred Plymouth Rocks

BUY your exhibition and breeding birds from us. No matter what you pay, no one can furnish you better size and quality than we can. We are specialists in Barred Rocks, have bred them in large numbers for twenty-three years and can give you selection no small breeder possibly can. Our quality is wonderful, yet our prices are the lowest of any of the big breeders.

Winners at Chicago, Indianapolis, Memphis, Louisville, Nashville, Knoxville

If you are interested in fine Barred Plymouth Rocks, write us, and we will send you the handsomest and most complete catalogue published of this breed. You will make a great mistake if you place order before getting our prices and catalogue No. 7

POPE & POPE, Box H, Louisville, Kentucky

Let's Get Together

WE'VE GOT
IT

Our stock consists of everything for the up-to-date poultry farm. Quick and efficient service.

Instead of buying Chicken Feed as a necessity, let's get together and do a little figuring. You'll come out a winner every time if you let us handle your feed problems. We can give you the quality and the price you will like. Write us to-day.

RITTER-HENNINGS COMPANY
INCORPORATED
14th AND MAIN STS. LOUISVILLE, KY.

Shur-pleez
QUALITY FEEDS



This department is conducted by the J. A. Thornhill, New Decatur, Ala. If your birds are sick, write him; he will tell you through this department where your trouble lies. If you want a personal reply, send stamped envelope.

Buff Orpington Ducks.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I am thinking of taking up the breeding of Buff Orpington ducks and I would like to have your opinion on the subject as to what you think the best breed for me to get. Has the Buff Orpington duck been admitted to the standard yet? Also are they very popular? Please let me hear from you by return mail as I enclose stamp. Very truly yours,

Trenton, Tenn.

J. H. N.

Answer.—I do not think you could make a mistake if you take up the breeding of the Buff ducks for at this time they are very popular and seem to be growing more and more popular every year. We see them in large numbers in all of the best shows in the country and for this reason they must be a very popular duck. They were admitted to the standard last month at the American Poultry Association convention at Chicago, but were admitted under the name of Buff ducks rather than Buff Orpington ducks.

Soft Shelled Eggs.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I have several hens that are laying soft shelled eggs and I would like for you to tell me the cause and what I can do to stop it. Please let me hear through the columns of the Industrious Hen, next issue. Yours truly,

Abbeville, S. C.

B. H. S.

Answer.—This trouble is usually accounted for by the lack of shell making material. In one sense it is a diseased condition and you should look after it promptly. Fat birds that never take any exercise are usually layers of soft shelled eggs. Other cases have been traced to the inflammation of the part of the oviduct where the shell is formed. For birds that lay soft shelled eggs supply an abundance of green food, oyster shell, grit, charcoal and feed only good wholesome food and see that they have to exercise after all the food they get. Keep them from becoming overfat.

Eggs Do Not Hatch.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I can't get my eggs to hatch. Can you tell me the trouble? My hens are one year old and my rooster two years old. I don't understand. I have set 175 eggs and I have not hatched any. Can you tell me the trouble? Very truly yours,

Lenoir City, Tenn.

E. J. D.

Answer.—There has been a lot of complaints this year about eggs not hatching well and we hardly know where to lay the blame. There could be many causes for poor hatches, but in your case I am of the opinion that your eggs must have incubated improperly, or surely you would have gotten one chick at least. You did not state whether you used an incubator or hens for hatching. If you breed from only strong healthy birds free from disease and give the proper food and attention, you are sure to get plenty of good fertile eggs. Healthy birds, proper feeding and the right care and attention will mean success for any poultry raiser.

Rheumatism.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: Can you tell me what is the matter with one of my Leghorn hens? Both upper lids of both eyes are very much swollen and white looking. Her legs are nearly as large again as they should be. However, she eats heartily and goes around everywhere, though she walks a little stiff. She has no disease from eyes or nostrils as her breathing seems good. She has been sick several weeks, or I should say in the condition described, for she does not seem to be sick. Hoping to see my ad in the September number, Very sincerely,

Culpeper, Va.

Mrs. J. S. C.

Answer.—From the description you give above, I think your bird has a case of rheumatism. This trouble is first noticed by a jerky gait in walking and a tendency to sit around and without energy to move about. The joints are swollen and unless you find this present the trouble must be leg leakiness. The best treatment for rheumatism is to bathe the swollen joints in alcohol for a week or ten days and also rub them with extract of witch hazel. In the drinking water give 20 grains of Epsom salts and follow with 15 grains of bicarbonate of soda in each pint of their drinking water. Keep the houses dry and well ventilated at all times.

Green Bone.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: What do you consider most valuable as an egg producer, green bone or beef scrap? And which is the most expensive? Yours very truly,

McComb, Miss.

G. B. J.

Answer.—I consider green bone much better than beef scraps as an egg producer. But always feed the green bone fresh and do not allow it to become stale. It is cheaper than anything you can obtain in the way of animal matter. Buy you a green bone cutter and get your bones from your local butcher and you can feed them fresh at all times.

S. C. MOTTLED ANCONAS

BARRETT'S BLUE RIBBON
AND IMPORTED STRAINS

We are offering a number of fine cockerels now for quick sale for \$2, \$3 and \$5 each. Satisfaction guaranteed or money refunded. Address,

GLASS & HILLIN,

Lenoir City, Tennessee

THE REED PIGEON LOFTS

PUXICO, MISSOURI

Offers the best CARNEAUX for Show and Utility. White Kings, White Maltese and large Homers. Single birds and mated pairs at prices in keeping with quality. Correspondence a pleasure. Satisfaction guaranteed.

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RIDGEVIEW FARMS,

Dept. B,

Knowlesville, N. Y.

(Continued from page 71.)

180 White Wyandotte, Penn.154
864 Barred Plymouth Rock, Mich...153
236 Silver Wyandotte, Mo.152
476 S. C. Red, Mo.150

MEYER'S

Champion Strain of Black Langshans have been winning at America's best shows in the last few years. Eggs the rest of the season at one-half price. Write for free circular which tells all about them. Yours for better Langshans.

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TURKEY & WATER FOWL

DEPARTMENT

This department is conducted by J. C. Clipp, Saltillo, Ind., and any questions that you wish to ask will be answered through this department, if addressed to Mr. Clipp at Saltillo, Ind. If a personal reply is wanted, enclose a stamped envelope.

Best Variety of Geese for Farmers.

"Can you give me any idea as to what variety of standard geese are the largest and most suited for a farmer who wishes to breed fancy geese. Any information you can give me on any other varieties will be greatly appreciated. If desired you can give us your reply through the columns of the Industrious Hen. Thanking you in advance for the favors, I am,

Mrs. A. T. F.

"Tennessee."

Answer.—The largest varieties of standard geese is the Toulouse and Embden. The Toulouse are very fine layers for large geese. In color they are light gray, very desirable for market purposes. The Embden are just about the most handsome variety of all standard bred geese to my notion, being a snow white and very large, but lay the fewest eggs of all geese. Without doubt the Toulouse are the most desirable variety for farmers. They grow to great size very early, reaching eighteen pounds frequently at only six months of age. The Africans are smaller than either the Toulouse or Embdens, but lay more eggs than the Embdens. They are very hardy and easy grown. The Chinese geese are still smaller, weigh but twelve to fourteen pounds when fully matured. They are the Indian Runners in the goose family. They are very handsome and in some sections very popular. But few farmers grow them as farmers as a rule prefer a larger variety and select either the Toulouse or Embden.

I have the impression you would be more favorably impressed with the Toulouse variety than any other, unless you should prefer geese for feathers, in that instance the Embden would fill your requirements best, as their feathers are pure white and sell higher in the markets than colored feathers. If you wish a variety to breed for breeding purposes to offer on the fancy market to breeders, you would find the best sellers in the Toulouse, as the majority of geese breeders cater to the Toulouse.

Fresh Raw Meat for Turkeys.

Mr. J. C. Clipp,
Saltillo, Ind.

Dear Sir: In your article on turkeys in the August number of Industrious Hen you stated that for animal food you fed your turkeys beef liver and lungs. Will you kindly tell me in the next issue of the Industrious Hen do you cook or feed it to them green or raw? Thanking you in advance, I am,

Yours very truly, T. H. S.
Lynchburg, Va.

Answer.—We always feed the livers and lungs fresh from the butchers, never under any circumstances do we cook the meat, preferring to have it as near like nature's natural supply when on range during the summer months. Too many poultrymen have the idea of artificially feeding their fowls. They should learn to conform as near to natural requirements as possible.

We hang the livers or lungs (whatever we choose to get) up in the poultry houses so that the fowls will have some little trouble in procuring it. They must in every instance jump up or scramble quite a bit in order to get their supply of animal food. In this way we always produce plenty of exercise sufficient to keep the fowl's health and to get a reasonable supply of eggs during the coldest months. However, should your fowls not be used to eating fresh meats in this manner from the butcher, you will get better results to feed it in a limited way until the fowls become accustomed to the raw meats, otherwise they will possibly contract some form of bowel trouble placing them out of condition, causing them more trouble than you can gain back during the entire winter

months. When we feed the livers to our turkeys, which is quite frequently—from three to four times a week—we feed it in troughs securely mailed or tied, so that the turkeys cannot get it out until the last pinch has been consumed. On cold days we place it in sheds hung up on nails, so that it will be within easy access to them, but not in a position to require considerable labor to obtain it, as with the laying hens. My experience has been that the livers and lungs of butchered animals fed to our turkeys paid us more or as well at least as when we fed it to our laying chicken hens.

(Continued from page 78.)

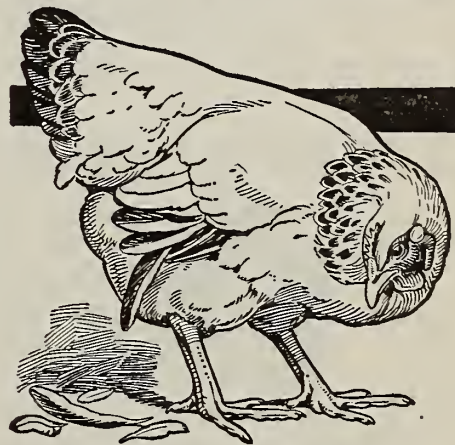
chickens, in fact than any other class of fowls, when their size is considered. But they grow faster than almost any other class of fowls.

It is largely because they are such good eaters that in many cases it is not best to winter too many. They are good foragers, and as long as they can be allowed to run out will be able to pick up a good part of their living, and of course that lessens the cost. While for young ducks the best prices can usually be received in the fall, at the same time it will be found that ducks that are in good marketable condition are salable at any time, and it is rather poor economy to winter fowls that will give but little return. Select out of the best the number needed to supply eggs and then fatten the balance as fast as possible and market them. The ducks that are to be kept through the winter should have comfortable houses to themselves where they can be made comfortable. The principal point with them is arranging their quarters is to have them dry, so that generally it will be found a good plan to fill the inside with dry dirt six or eight inches higher than the outside.

Then cover with a good layer of dry straw and change the straw every ten days or two weeks as may be necessary to secure needed cleanliness. The duck house should be separated from the other poultry quarters.

If keeping the common puddle ducks sell them all off and make a start with some of the better kinds like the Pekins or Runners. The one is no more trouble than the other to keep, while the better kinds certainly return a much better profit, and with poultry or ducks as well as with other stock on the farm, profit should be the principal item.

We consider ducks fully as profitable as any other class of poultry. Sell all by the time it is necessary to feed heavily, except those that it is intended to winter, allowing one drake for every six ducks.—Exchange.



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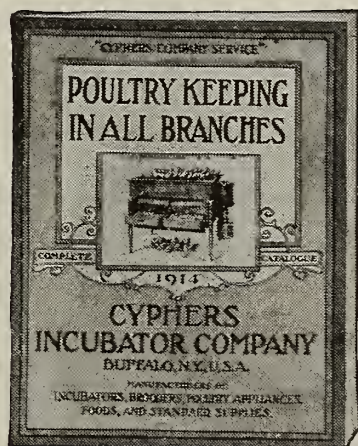
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all sold. Watch our offerings this fall. We have the finest matings this spring we ever owned. We have the birds that produced the winners at Indianapolis, Chicago, and many other National shows. We bred them and are to be found in our yards to-day. They have high color fine copper bronze running high up on back. The kind you want with great massive frame.

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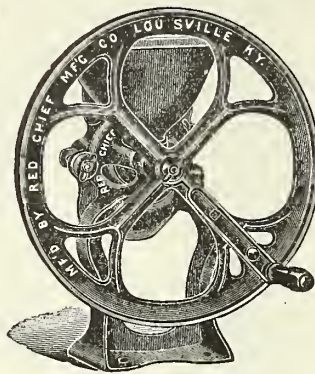
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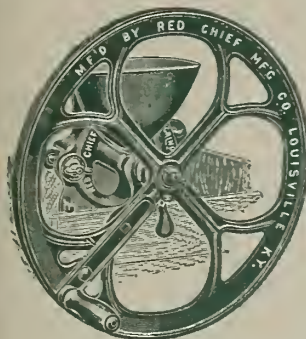
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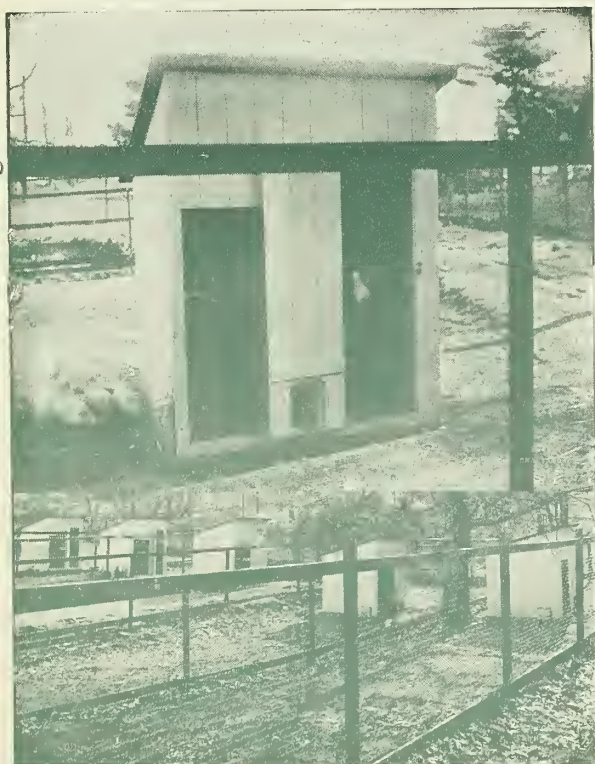
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